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# VITAL STATISTICS OF QUEENSLAND, JUNE QUARTER, 1957.

## Births (see Table 1).

Births registered in the second quarter of 1957 totalled 8,414 compared with 8,477 in the corresponding quarter of 1956 whilst the birth rate per 1,000 population fell from 25.0 in the June quarter, 1956, to 24.3 in the June quarter, 1957. However due to the high number of births registered in the first quarter of 1957 the birth rate of approximately 24.8 for the first six months of this year was slightly higher than the rate for the first six months of either 1955 or 1956.

The 8,414 births registered in the quarter included 4,267 males and 4,147 females, giving a masculinity rate of 102.9 males per 100 females which was well below the normal rate of about 105.

Natural increase (excess of births over deaths) was 5,670 for the quarter, equivalent to an annual rate of 1.6 per cent. of the population.

There were 464 ex-nuptial births during the quarter, equal to 5.5 per cent. of all births registered. During the quarter 55 children were legitimated. Multiple births consisted of 94 sets of twins, comprising 96 male and 90 female live births and 2 still births, and two sets of triplets comprising 1 male and 5 females, all live born.

## Marriages (see Table 2).

Marriages during the quarter numbered 2,699 compared with 2,808 in the June quarter of 1956. The marriage rate per 1,000 population was 7.8 compared with 8.3 in the corresponding quarter of 1956. The number of marriages in the first half of 1957 totalled 5,243 compared with 5,100 for the same period of 1956 whilst the rates were steady at 7.6.

Minors married during the quarter numbered 1,280 comprising 227 males and 1,053 females, equivalent to 8.4 per cent. of the bridegrooms and 39.0 of the brides, compared with 8.8 and 36.3 per cent. respectively in the corresponding quarter of 1956.

## Deaths (see Tables 1 and 3).

Deaths registered during the quarter totalled 2,744, consisting of 1,658 males and 1,086 females. The equivalent annual death rate per 1,000 population was 7.9, compared with 8.8 recorded for the corresponding quarter of 1956.

The June quarter is usually an average one for deaths, its death rate being neither as low as that for the March quarter nor as high as that for September quarter. In 1957, June quarter's rate was, however, well below normal and was the lowest rate ever recorded in that quarter of the year. Specially low figures were shown by diseases of the circulatory system other than heart diseases (159) while heart diseases (782) were somewhat below normal. Deaths from vascular lesions affecting the central nervous system (346), infective and parasitic deseases including tuberculosis (43), and congenital malformations and diseases of early infancy (137) showed low figures. Other important causes of death, for each of which the number was about normal, were malignant neoplasms (cancer) (413), diseases of the respiratory system (179), and accidents (202).

## Infantile Mortality (see Tables 1 and 4).

Deaths of infants aged under one year numbered 165 (94 males and 71 females), compared with 194 in the second quarter of 1956. Of these 122 (70 males, 52 females) died during the first four weeks after birth. The infantile mortality rate was 19.6 per 1,000 live births compared with 22.9 for the same quarter of 1956. It was the lowest rate ever recorded for a June quarter and was the second lowest for any quarter. As the first quarter of 1957 recorded a low rate of 20.2 the position at the end of June was better than for any other half year. Infantile mortality rates have shown marked improvement since the 1930's when rates of 35 to 40 were usual. From 1943 to 1949 the rate fell from about 35 to below 25 and it has continued to show a downward tendency.

The fall in the rate as compared with the second quarter of 1956 was due to improved rates in the rural areas of the State and in the metropolitan area. Rates were low in all parts of the State except the non-metropolitan cities, both sub-tropical and tropical, where the rates were rather high at 23 and 28 respectively. Amongst the causes of death immaturity decreased from 47 to 31, and post-natal asphyxia and atelectasis from 17 to 10, but pneumonia of newborn increased from 3 to 10.

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BRISBANE.
18th December, 1957.

## Table 1 - Births and Deaths.

| Usual Place of Residence. | Births. | | All Deaths. | | Deaths Under One Year. | |
|---|---|---|---|---|---|---|
| | Second Quarter. | | Second Quarter. | | Second Quarter. | |
| | 1956. | 1957. | 1956. | 1957. | 1956. | 1957. |
| Metropolitan - | | | | | | |
| City .. .. .. .. | 352 | 362 | 227 | 201 | 7 | 12 |
| North Side Inner Suburbs .. | 329 | 331 | 184 | 194 | 6 | 12 |
| North Side Outer Suburbs .. | 638 | 626 | 233 | 157 | 7 | 5 |
| Western Suburbs .. .. .. | 314 | 310 | 129 | 84 | 15 | 5 |
| South Side Inner Suburbs .. | 195 | 186 | 78 | 86 | 4 | 4 |
| South Side Outer Suburbs .. | 620 | 622 | 238 | 187 | 11 | 10 |
| Bayside .. .. .. .. | 256 | 228 | 129 | 140 | 7 | 4 |
| Rural .. .. .. .. | 253 | 313 | 49 | 106 | 5 | 4 |
| Total Metropolitan .. .. | 2,957 | 2,978 | 1,267 | 1,155 | 62 | 56 |
| Sub-Tropical (Non-Metropolitan) - | | | | | | |
| Bundaberg .. .. .. | 131 | 113 | 58 | 54 | 1 | 2 |
| Gympie .. .. .. .. | 47 | 69 | 20 | 24 | 1 | 2 |
| Ipswich .. .. .. .. | 255 | 245 | 98 | 87 | 3 | 7 |
| Maryborough .. .. .. | 107 | 124 | 47 | 46 | 2 | 3 |
| Toowoomba .. .. .. | 269 | 260 | 125 | 114 | 7 | 5 |
| Warwick .. .. .. .. | 51 | 60 | 28 | 19 | 1 | 1 |
| Total Sub-Tropical Cities .. | 860 | 871 | 376 | 344 | 15 | 20 |
| Total Sub-Tropical Towns .. | 447 | 422 | 127 | 156 | 8 | 7 |
| Total Sub-Tropical Shires .. | 2,107 | 2,014 | 559 | 478 | 61 | 38 |
| Total Sub-Tropical (Non-Metropolitan) .. .. | 3,414 | 3,307 | 1,062 | 978 | 84 | 65 |
| Tropical - | | | | | | |
| Cairns .. .. .. .. | 134 | 147 | 54 | 54 | 4 | 4 |
| Charters Towers .. .. .. | 31 | 30 | 43 | 24 | 3 | 1 |
| Mackay .. .. .. .. | 112 | 108 | 42 | 31 | 3 | 4 |
| Rockhampton .. .. .. | 249 | 258 | 122 | 99 | 4 | 5 |
| Townsville .. .. .. | 234 | 280 | 85 | 108 | 5 | 9 |
| Total Tropical Cities .. | 760 | 823 | 346 | 316 | 19 | 23 |
| Total Tropical Towns .. .. | 73 | 61 | 20 | 14 | 2 | - |
| Total Tropical Shires .. .. | 1,273 | 1,245 | 297 | 281 | 27 | 21 |
| Total Tropical .. .. | 2,106 | 2,129 | 663 | 611 | 48 | 44 |
| Total Occurring in Queensland .. | 8,477 | 8,414 | 2,992 | 2,744 | 194 | 165 |
| | Birth Rate.[a] | | Death Rate.[a] | | Infantile Mortality Rate.[b] | |
| Metropolitan - | | | | | | |
| City .. .. .. .. | 19.9 | 21.5 | 12.8 | 12.0 | 20 | 33 |
| North Side Inner Suburbs .. | 17.3 | 17.7 | 9.7 | 10.4 | 18 | 36 |
| North Side Outer Suburbs .. | 24.2 | 22.3 | 8.8 | 5.6 | 11 | 8 |
| Western Suburbs .. .. .. | 25.7 | 23.8 | 10.6 | 6.4 | 48 | 16 |
| South Side Inner Suburbs .. | 22.2 | 20.8 | 8.9 | 9.6 | 21 | 22 |
| South Side Outer Suburbs .. | 23.7 | 23.1 | 9.1 | 7.0 | 18 | 16 |
| Bayside .. .. .. .. | 27.9 | 23.6 | 14.1 | 14.5 | 27 | 18 |
| Rural .. .. .. .. | 23.5 | 27.2 | 4.5 | 9.2 | 20 | 13 |
| Total Metropolitan .. .. | 22.7 | 22.3 | 9.7 | 8.7 | 21 | 19 |
| Sub-Tropical (Non-Metropolitan) - | | | | | | |
| Cities .. .. .. .. | 24.1 | 23.8 | 10.5 | 9.4 | 17 | 23 |
| Towns .. .. .. .. | 28.8 | 26.4 | 8.2 | 9.7 | 18 | 17 |
| Shires .. .. .. .. | 26.4 | 25.0 | 7.0 | 5.9 | 29 | 19 |
| Total Sub-Tropical (Non-Metropolitan) .. .. | 26.1 | 24.8 | 8.1 | 7.3 | 25 | 20 |
| Tropical - | | | | | | |
| Cities .. .. .. .. | 24.1 | 25.4 | 11.0 | 9.8 | 25 | 28 |
| Towns and Shires .. .. | 29.7 | 28.3 | 7.0 | 6.4 | 22 | 16 |
| Total Tropical .. .. | 27.4 | 27.1 | 8.6 | 7.8 | 23 | 21 |
| Total Queensland .. .. | 25.0 | 24.3 | 8.8 | 7.9 | 22.9 | 19.6 |

[a] Equivalent annual rate per 1,000 population. [b] Rate per 1,000 live births.

Table 2 - Marriages.

| Place of Celebration. | Marriages. | | Minors Married. | | |
|---|---|---|---|---|---|
| | Second Quarter. | | Second Quarter, 1957. | | |
| | 1956. | 1957. | Males. | Females. | Total. |
| Metropolitan .. .. .. | 1,216 | 1,185 | 85 | 383 | 468 |
| Sub-Tropical (Non-Metropolitan)- | | | | | |
| Bundaberg .. .. .. | 76 | 82 | 9 | 37 | 46 |
| Gympie .. .. .. | 36 | 41 | 3 | 17 | 20 |
| Ipswich .. .. .. | 84 | 86 | 10 | 41 | 51 |
| Maryborough .. .. .. | 70 | 36 | 3 | 16 | 19 |
| Toowoomba .. .. .. | 163 | 149 | 16 | 69 | 85 |
| Warwick .. .. .. | 25 | 23 | 2 | 8 | 10 |
| Total Sub-Tropical Cities | 454 | 417 | 43 | 188 | 231 |
| Other Sub-Tropical .. .. | 508 | 462 | 53 | 214 | 267 |
| Total Sub-Tropical (Non-Metropolitan) .. | 962 | 879 | 96 | 402 | 498 |
| Tropical- | | | | | |
| Cairns .. .. .. | 61 | 69 | 6 | 27 | 33 |
| Charters Towers .. .. | 12 | 13 | - | 4 | 4 |
| Mackay .. .. .. | 85 | 81 | 6 | 40 | 46 |
| Rockhampton .. .. .. | 133 | 121 | 5 | 36 | 41 |
| Townsville .. .. .. | 79 | 94 | 11 | 44 | 55 |
| Total Tropical Cities .. | 370 | 378 | 28 | 151 | 179 |
| Other Tropical .. .. | 260 | 257 | 18 | 117 | 135 |
| Total Tropical .. .. | 630 | 635 | 46 | 268 | 314 |
| Total Queensland .. .. | 2,808 | 2,699 | 227 | 1,053 | 1,280 |
| | Marriage Rate.[a] | | | | |
| Metropolitan .. .. .. | 9.3 | 8.9 | | | |
| Sub-Tropical (Non-Metropolitan)- | | | | | |
| Cities .. .. .. | 12.7 | 11.4 | | | |
| Total .. .. .. | 7.3 | 6.6 | | | |
| Tropical- | | | | | |
| Cities .. .. .. | 11.7 | 11.7 | | | |
| Total .. .. .. | 8.2 | 8.1 | | | |
| Total Queensland .. .. | 8.3 | 7.8 | | | |

a Equivalent annual rate per 1,000 population.

Table 3 - Causes of Deaths.

| Class. | Cause of Death. (International List, 1948 Revision). | 2nd Quarter. 1956. | 2nd Quarter. 1957. | Increase or Decrease. | Six Months Ended June. 1956. | Six Months Ended June. 1957. | Increase or Decrease. |
|---|---|---|---|---|---|---|---|
| 1 | Infective and Parasitic Diseases .. | 65 | 43 | -22 | 106 | 77 | -29 |
| 2 | Neoplasms .. .. .. .. | 438 | 422 | -16 | 861 | 847 | -14 |
| 3 | Allergic, Endocrine System, Metabolic and Nutritional Diseases .. .. | 55 | 51 | -4 | 122 | 111 | -11 |
| 4 | Diseases of the Blood and Blood-forming Organs .. .. .. .. | 19 | 16 | -3 | 31 | 36 | +5 |
| 5 | Mental, Psychoneurotic, and Personality Disorders .. .. .. .. | 19 | 22 | +3 | 42 | 38 | -4 |
| 6 | Diseases of the Nervous System and Sense Organs .. .. .. .. | 452 | 392 | -60 | 797 | 759 | -38 |
| 7 | Diseases of the Circulatory System .. | 1,021 | 941 | -80 | 1,880 | 1,773 | -107 |
| 8 | Diseases of the Respiratory System .. | 179 | 179 | - | 310 | 307 | -3 |
| 9 | Diseases of the Digestive System .. | 108 | 106 | -2 | 207 | 202 | -5 |
| 10 | Diseases of the Genito-urinary System | 113 | 121 | +8 | 225 | 215 | -10 |
| 11 | Complications of Pregnancy, Childbirth, and the Puerperium .. .. .. | 11 | 5 | -6 | 18 | 9 | -9 |
| 12 | Diseases of the Skin and Cellular Tissue | 9 | 7 | -2 | 17 | 18 | +1 |
| 13 | Diseases of the Bones and Organs of Movement .. .. .. .. | 10 | 8 | -2 | 18 | 19 | +1 |
| 14 | Congenital Malformations .. .. | 44 | 31 | -13 | 92 | 73 | -19 |
| 15 | Certain Diseases of Early Infancy .. | 122 | 106 | -16 | 252 | 215 | -37 |
| 16 | Senility and Ill-defined Conditions .. | 74 | 45 | -29 | 114 | 90 | -24 |
| 17 | Accidents, Poisonings, and Violence .. | 253 | 249 | -4 | 499 | 506 | +7 |
| | Total All Causes .. .. .. | 2,992 | 2,744 | -248 | 5,591 | 5,295 | -296 |
| | Tuberculosis of Respiratory System[a] .. | 21 | 20 | -1 | 35 | 36 | +1 |
| | Malignant Neoplasms (Cancer, &c.)[b] .. | 425 | 413 | -12 | 843 | 827 | -16 |
| | Vascular Lesions affecting Central Nervous System[c] .. .. .. | 407 | 346 | -61 | 706 | 654 | -52 |
| | Heart Disease[d] .. .. .. | 825 | 782 | -43 | 1,544 | 1,445 | -99 |
| | Nephritis and Nephrosis[e] .. .. | 66 | 72 | +6 | 131 | 132 | +1 |
| | Accidental Deaths[f] .. .. .. | 210 | 202 | -8 | 416 | 390 | -26 |

a Included in Class 1. c Included in Class 6. e Included in Class 10.
b Included in Class 2. d Included in Class 7. f Included in Class 17.

Table 4 - Causes of Deaths of Infants Under One Year.

| Cause of Death (International List, 1948 Revision). | 2nd Quarter. 1956. | 2nd Quarter. 1957. | Increase or Decrease. | Six Months Ended June. 1956. | Six Months Ended June. 1957. | Increase or Decrease. |
|---|---|---|---|---|---|---|
| Congenital Malformations .. .. .. | 31 | 28 | -3 | 67 | 57 | -10 |
| Birth Injuries .. .. .. .. | 33 | 28 | -5 | 56 | 52 | -4 |
| Post-natal Asphyxia and Atelectasis .. | 17 | 10 | -7 | 38 | 24 | -14 |
| Immaturity .. .. .. .. .. | 47 | 31 | -16 | 104 | 80 | -24 |
| Pneumonia of Newborn .. .. .. | 3 | 10 | +7 | 3 | 13 | +10 |
| Diarrhoea and Enteritis of Newborn .. .. | - | - | - | 2 | - | -2 |
| Other Diseases of Early Infancy .. .. | 22 | 27 | +5 | 48 | 46 | -2 |
| Total Diseases of Early Infancy .. | 153 | 134 | -19 | 318 | 272 | -46 |
| Pneumonia (aged 4 weeks and over) .. .. | 14 | 12 | -2 | 29 | 26 | -3 |
| Diarrhoea and Enteritis (aged 4 weeks & over) | 4 | 2 | -2 | 8 | 6 | -2 |
| All Other Causes .. .. .. .. | 23 | 17 | -6 | 38 | 37 | -1 |
| Total Deaths Under One Year .. .. | 194 | 165 | -29 | 393 | 341 | -52 |
| Deaths Under Four Weeks .. .. | 141 | 122 | -19 | 285 | 248 | -37 |